

MISSISSIPPI STATE UNIVERSITY

INSTITUTE FOR ENVIRONMENTAL STUDIES

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December 8, 1972

E7.2-10.3.12
CR-129561

NASA Scientific and Technical Information Facility
Attention: (Earth Resources)
P.O. Box 33
College Park, Maryland 20740

Gentlemen:

This letter constitutes a Type I progress report as called for in
Article II of the NASA contract document NAS5-21881.

- (a) This report concerns ERTS-A proposal NASA control no. SR-097
having the title: Application of ERTS-A Data to Agricultural
Practices in the Mississippi Delta Region.
- (b) The principal investigator is C. W. Bouchillon, Ph.D.
Principal Investigator - UN023
Mississippi State University
Drawer GH
Mississippi State, Mississippi 39762
- (c) At this time there are no problems impeding the progress of
the investigation.
- (d) This section of the report, covering the period ending
November 30, 1972, will be covered in three sections:
I. Data Management, II. Ground Truth, III. Application
of ERTS DATA to Potential Users.

I. Data Management

This phase of the contract includes scheduling of personnel
efforts for ground truth collection and coordination of the use of
the computer maps to be produced by NASA-MTF-ERL by the Cooperative
Extension Service personnel. Preliminary plans for data acquisition
have been made. Instrumentation for ground truth has been ordered.

The photographic data received to date is undergoing some basic
analysis to determine the possibility of its use in digital form by
NASA-MTF-ERL facility. A rough analysis of the data is compiled to
provide this assessment and to give NASA an idea of when the data
is received by Mississippi State personnel and how we view the data's

(E72-10312) APPLICATION OF ERTS-A DATA
TO AGRICULTURAL PRACTICES IN THE
MISSISSIPPI DELTA REGION Progress C.W.
Bouchillon (Mississippi State Univ.)
8 Dec. 1972 5 p
CSC 02C G3/13 00312
Unclas

NTIS HQ 83-00

usefulness based upon the synoptic analysis of the MSS photography. The Data Inventory Sheet and the Data Analysis Log are attached to this report.

II. Ground Truth

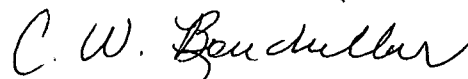
This phase is still in the embryonic stage and has been covered in Section I.

III. Application of ERTS DATA to Potential Users

This section will not be activated until data in the project preliminary planning is underway.

- (e) No significant results have been obtained during this period.
- (f) No papers or publications have been released during this period.
- (g) No recommendations are offered at this time.
- (h) There are no changes in standing order forms.
- (i) There are no description forms for this period.
- (j) All digital data for this project is obtained through NASA-MTF-ERL. There are no request forms filed specifically for this project.
- (k) There is no other information to report at this time.

Sincerely,



C. W. Bouchillon
Director

CWB/mjr

Enclosure

DATE RECEIVED	DATA FROM		RBV		MSS		FORMAT		CATALOG		COMMENTS	P.I. - UN
	DAY	TIME	1	2	3	4	5	6	7	T	M	
28 Sept 72	1032	15555				1	1	1	1		✓	023 649
28 Sept 72	1052	15555				2	2	2	2		✓	
24 Oct 72	1051	16012				1	1	1	1		✓	
24 Oct 72	1051	16012				2	2	2	2		✓	
24 Oct 72	1051	16014				1	1	1	1		✓	
24 Oct 72	1051	16014				2	2	2	2		✓	
24 Oct 72	1050	15553				1	1	1	1		✓	
24 Oct 72	1050	15553				1	2	2	2		✓	Missing one print on camera 4
24 Oct 72	1052	16070				1	1	1	1		✓	
24 Oct 72	1052	16070				2	2	2	2		✓	
25 Oct 72	1052	16061				1	1	1	1		✓	
25 Oct 72	1052	16061				1	1	1	1		✓	Invoice calls for two copies each
25 Oct 72	1052	16064				1	1	1	1		✓	
25 Oct 72	1052	16064				1	1	1	1		✓	Invoice calls for two copies each
25 Oct 72	1052	16070				1	1	1	1		✓	
25 Oct 72	1052	16070				1	1	1	1		✓	Invoice calls for two copies each